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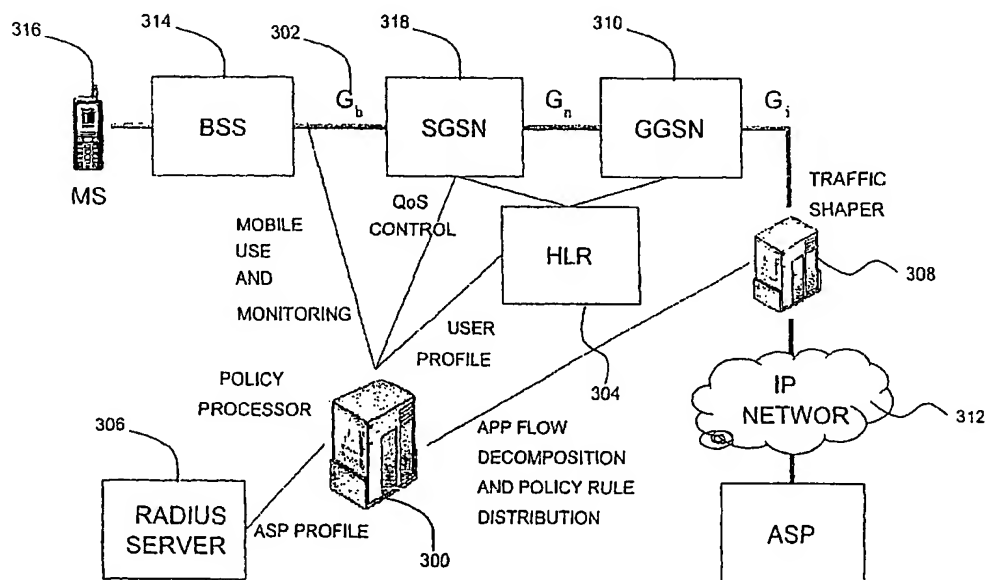
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(54) Title: RESOURCE ALLOCATION IN CELLULAR TELEPHONE NETWORKS



(57) **Abstract:** A resource allocation system for a network, the system including a traffic shaper operative to decompose a network stream into a plurality of flows, each flow representing a service or application on a network down-link, and shape network traffic by allocating a different bandwidth and delay to each flow, and a policy processor operative to control the traffic shaper and dynamically allocate at least one air interface resource to at least one network device in association with at least one of the flows.

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